Research “season” is here! St. John Hospital & Medical Center’s Resident Research Day was April 25, 2018. The SEMCME Pediatric Research Forum was on May 3, 2018 and the American College of Physicians spring meeting was on May 4, 2018. On May 23, four of our residents will present their work at the annual SEMCME Research Forum. As you will see in the following pages, our residents have once again done outstanding work that has been recognized by their peers. In addition, several fellows have had recent publications. The volume and quality of research and QA/QI projects from SJH&MC is impressive.

None of this work would be possible without the contribution of many individuals within our hospital. In addition to recognizing our residents and fellows, this is a time to express appreciation for everyone who helped along the way. Research has tremendous support from our senior administration: Mr. Hoban and Dr. Grady. Dr. Minnick, the Director of Medical Education at SJH&MC, has built and continues to sustain the staffing and support for research. We also need to thank all of the Department Chairs, Program Directors and Program Coordinators. A special thank you goes out to the IRB—Dr. Dunne, Lee Booze-Battle, Lisa Miller and the IRB members. Finally, a huge “thank you” goes to the research staff: Deb LaBuda, Karen Hagglund, Alice Mar, Shelby Miller, Kathy Riederer, Alexandra DeRita, Trinkal Patel and Tom Moynihan.

Just as many of our residents and fellows are wrapping up their research projects and planning for graduation, many residents are now starting on their research endeavors. I hope that many of our physicians and other individuals engaged in research will continue to share their expertise and knowledge with our novice researchers.

Dr. Susanna Szpunar
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Fast Stats
Assumptions, assumptions, assumptions! In the non-statistical world, we are warned about the danger of making assumptions. But in the statistical world, we need to be concerned with the problem of violating assumptions. Every statistical test is based on a series of assumptions. These assumptions may include the following: 1. Independence of observations; 2. Normality of the distribution; 3. Normality of the error terms; 3. Linearity; and 4. Uniform variance (to name a few).

A statistical test is called “robust” when it can tolerate some deviation from the assumptions for that test. But, when deciding on a statistical test, it is important to make sure that the test you choose fits the data and does not violate major assumptions. The rule of thumb when you cannot decide on which is the right test to use: consult a statistician! Please feel free to contact me, Karen Hagglund or Shelby Miller for assistance.

Save the date...

40th Annual SEMCME Research Forum: Wednesday, May 23, 2018, 8am—5pm, Lovett Hall (The Henry Ford). This exciting day will recognize the remarkable research efforts made by over 40 residents from 13 SEMCME member institutions.

3rd Annual Michigan Summit on Quality Improvement and Patient Safety: Friday, June 1, 2018, Somerset Inn, Troy.

To register for either meeting: www.semcme.org

St. Vincent Research Symposium: Thursday, June 14, 2018. The St. Vincent Research and Regulatory Affairs Department will be hosting the 14th Annual St. Vincent Health Research Symposium at the Renaissance Indianapolis North Hotel in Carmel, Indiana. The symposium will include both scientific and regulatory educational opportunities and will highlight the Symposium Abstract Competition winners, through oral presentations and poster displays. There is no fee for Ascension associates.

**Resident Research Day 2018**

On April 25, 21 residents presented their research at our annual Research Day. Dr. Joel Topf gave our first-ever Research Day lunchtime presentation. The day showcased some of the high quality work done by our residents. There were 7 winners:

**Oral Competition**

1st place:

**Maradith Skalak, MD** - Pediatrics: *Inpatient Management of Neonatal Abstinence Syndrome: A Comparison of Two Protocols at St. John Children’s Hospital*

Tied for 2nd:

**Matthew Wilkins, MD** - Internal Medicine: *Can Internal Medicine Residents Accurately Detect Inpatient Lower Extremity Deep Venous Thrombosis with Compression Ultrasonography?*

**Ameer Hamza, MD** - Pathology: *Factors Affecting the Concordance of Radiologic, Gross and Microscopic Pathologic Tumor Size in Breast Carcinoma*

Tied for 3rd:

**Sima Salahie, MD** - Internal Medicine: *The Clinical Features of Pneumonia Caused by Legionella Pneumophila vs. Streptococcus Pneumoniae: A Retrospective Study*

**Jessica Scholey, MD** - OB/GYN: *The Likelihood of Primary Cesarean Section by Body Mass Index Category in a Community-Based Michigan Hospital*

**Poster Competition**

1st Place:

**Jennifer Brady, MD** - Surgery: *The Impact of Psychiatric Disease on Trauma Morbidity: A Review of Michigan Data*

2nd Place:

**Mary MacLeod, DO** - Pediatrics: *Investigating the Efficacy of Interventions to Improve Parental/Guardian Acceptance of the Influenza Vaccine for Pediatric Patients*

**SEMCME Pediatric Research Forum**

At the May 3 Pediatric Research Forum, held at Children’s Hospital, **Dr. Aseel Zeidan** won 2nd place for her work: *Maternal Postpartum Depression Screening: A Randomized Controlled Study*

*Congratulations to all of our Presenters!*
ACP Spring Meeting:
On May 4, 2018, 35 Internal Medicine residents and many medical students presented their work at the American College of Physicians’ spring meeting. Several of our residents were winners! In addition, some incoming residents also were winners.

CQI: 1st place
Matthew Wilkins, MD: Use of a Standardized Scoring System to Predict the Mortality Rate among Patients Admitted to a Tertiary Care Center with Febrile Neutropenia

Research: 1st place
Hiba Obeid, MD: The Prevalence and Management of Vitamin D Deficiency in an Urban Primary Care Practice in Michigan

Clinical Vignette: 1st place
Amreeta Sharma, MD: Inflammatory Uveomeningeal Syndrome (VKH) Triggered by Mosquito Bites

Recent Publications


Friendly Reminder
There are two new research policies available in PolicyStat:
1. Volunteer services in research studies:
   https://sjphs.policystat.com/policy/4517698/latest/
   And
2. Informed consent for case reports:
   https://sjphs.policystat.com/policy/4517911/latest/

Upcoming CME Seminars
Opioid Management Challenges - June 6, 2018
OB/GYN Symposium - September 12, 2018
Family Medicine Seminar - November 7, 2018
Note: Physicians wishing to complete their mandatory requirements for CME go to WWW.MI.CME.EDU to access the courses.
For information about the CME program at St. John Hospital, click here: http://www.stjohnprovidence.org/sjhmccme

Research Day Edition!
Institutional Review Board News

On April 19, 2018, the U.S. Department of Health and Human Services (HHS) proposed delaying the implementation of the final revisions to the Federal Policy for the Protection of Human Subjects (Common Rule) until January 21, 2019. The proposal is currently undergoing a 30-day comment period.

Comments must be received at one of the addresses provided below, no later than 11:59 p.m. Eastern Standard Time on May 21, 2018.

If you are interested in submitting comments, you may do so by the identified docket ID number HHS-OPHS-2018-0007 using the electronic portal method:

Enter the following link into your web browser's address bar:

https://www.regulations.gov/searchResults?rpp=25&po=0&s=common%2Brule&fp=true&ns=true

Click the blue “Comment Now!” button in the upper right hand corner and follow the instructions on how to submit a comment.

It’s important to note that any comments received, including personal information, will be posted without change to http://www.regulations.gov.

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Research Funnies

Research Day Edition!